



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants:** Schmulling et al.

**Examiner:** (Not Yet Assigned)

**Serial No.:** 10/014,101

**Group:** Art Unit 2637

**Filed:** December 10, 2001

**Docket:** 1195-2

**For:** METHOD FOR MODIFYING  
PLANT MORPHOLOGY,  
BIOCHEMISTRY AND  
PHYSIOLOGY

**Dated:** May 15, 2002

Assistant Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

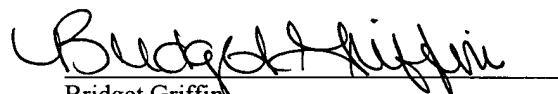
Pursuant to Applicants duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on May 15, 2002.

Dated: May 15, 2002

  
Bridget Griffin

these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The references were cited in a Search Report received from the International Searching Authority. Applicants are submitting copies of the cited references, together with a copy of the Search Report. The relevance of the references have been described in the Search Report.

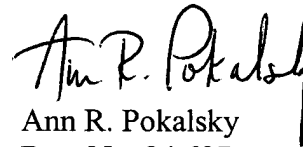
Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 04-1121. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and

charge Deposit Account No. 04-1121 therefor. **TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.**

Respectfully submitted,



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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1195-2		U.S. PATENT APPLN. NO.: 10/014,101	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANTS Schmulling et al.			
				FILING DATE December 10, 2001		Group: Art Unit 2637	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
		WO 99/06571	02/11/99	PCT			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
			Abstract: S.D. Rounsley, et al., (January 1, 1998) XP002151606, Database Accession No. ID/AC=022213.				
			Abstract: M. Bevan, et al., (May 1, 2000) "Cytokinin oxidase-like protein", XP-002151607, Database Accession No. ID/AC=Q9SU77.				
			Abstract: X. Lin, et al., (May 1, 1999) "Arabidopsis thaliana chromosome II BAC F3P11 genomic sequence, Putative Cytokinin Oxidase", XP-002151608, Database Accession No. ID/AC=Q9ZUP1.				
			Abstract: Zhang, N., et al., (1999) "Initiation an elongation of lateral roots in Lactuca sativa", XP002151609, Database Accession No. AN=PREV199900326622, <u>International J. of Plant Sciences</u> , Vol. 160(3), pp. 511-519.				
			Abstract: Y. Koda, et al., (1989) "Cytokinin production by tomato root. Identification of a major cytokinin produced by the root and environmental factors affecting the production", XP002151610, Database Accession No. AN=PREV198988038194, <u>J. of the Faculty of Agriculture Hokkaido University</u> , Vol. 64 (1), pp. 10-20.				
			Abstract: M. Frank, et al., (1999) "TSD genes negatively regulate meristematic activity in Arabidopsis", XP002151616, Database Accession Number AN=PREV200000242628, <u>Biologia Plantarum</u> (Prague), Vol. 42 (Suppl.), page S47.				
			Doerner, et al., (April 11, 1996) "Control of root growth and development by cyclin expression", <u>Nature</u> , Vol. 380, pp. 520-523.				
			Faiss, et al., (1997) "Conditional transgenic expression of the ipt gene indicates a function for cytokinins in paracrine signaling in whole tobacco plants", <u>The Plant Journal</u> , 12(2), pp. 401-415.				
			Houba-Herin, et al., (1999) "Cytokinin oxidase from Zea mays: purification, cDNA cloning and expression in moss protoplasts", <u>The Plant Journal</u> , 17(6), pp. 615-626.				
			Klee, et al., (1995) "Transgenic plants in hormone biology", <u>Plant Hormones: Physiology, Biochemistry and Molecular Biology</u> , ed. Davies, P.J. (Kluwer, Dordrecht, the Netherlands), pp. 340-353.				
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

1195-2

U.S. PATENT APPLN. NO.:

10/014,101

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

MAY 20 2002

APPLICANTS  
Schmulling et al.

FILING DATE

December 10, 2001

Group: Art Unit 2637

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Mok, M.C. (1994) "Cytokinins and Plant Development" in Cytokines: Chemistry, Activity, and Function, Chapter 12, eds. Mok, D.W.S. & Mok, M.C., CRC Press, Inc., pp. 155-166.

Morris, et al. (1999) "Isolation of a Gene Encoding a Glycosylated Cytokinin Oxidase from Maize", Biochemical and Biophysical Research Communications, 255:328-333.

Motyka, et al., (1996) "Changes in Cytokinin Content and Cytokinin Oxidase Activity in Response to Derepression of ipt Gene Transcription in Transgenic Tobacco Calli and Plants", Plant Physiol., 112: 1035-1043.

Rinaldi, et al., (August 1999) "Cytokinin oxidase strikes again", Trends in Plant Sci., Elsevier Science, Vol. 4, No. 8, page 300.

Schmulling, et al., (1999) "Recent advances in cytokinin research: Receptor candidates, primary response genes, mutants and transgenic plants", Advances in Regulation of Plant Growth and Development, pp. 85-96.

Werner, et al., (August 28, 2001) "Regulation of plant growth by cytokinin", PNAS, Vol. 98, No. 18, pp. 10487-10492.

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